

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| S1    | 4171 | 382/128,131;128/922;378/4,21;424/9.4;250/363.04.ccls.   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR               | OFF     | 2005/06/30<br>10:05 |
| S2    | 460  | 382/128,131;128/922;378/4,21;424/9.4;250/363.04.ccls.<br>and (lung\$1 or pleural pr<br>pleura)                                | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR               | OFF     | 2004/03/16<br>10:46 |
| S3    | 423  | 382/128,131;128/922;378/4,21;424/9.4;250/363.04.ccls.<br>and (lung\$1 or pleural or<br>pleura)                                | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR               | OFF     | 2004/03/16<br>08:36 |
| S4    | 6    | "6272366".pn.",5881244".pn.<br>",5627907".pn.   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR               | OFF     | 2004/03/15<br>16:32 |
| S5    | 4176 | 382/128,131;128/922;378/4,21;424/9.4;250/363.04.ccls.   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR               | OFF     | 2004/03/16<br>08:35 |
| S6    | 424  | 382/128,131;128/922;378/4,21;424/9.4;250/363.04.ccls.<br>and (lung\$1 or pleural or<br>pleura)                                | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR               | OFF     | 2004/03/16<br>08:36 |
| S7    | 10   | (382/128,131;128/922;378/4,21;424/9.4;250/363.04.ccls.<br>and (lung\$1 or pleural or<br>pleura) ) and (rolling near3<br>ball) | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR               | OFF     | 2004/03/16<br>08:42 |
| S8    | 114  | (382/128,131;128/922;378/4,21;424/9.4;250/363.04.ccls.<br>and (lung\$1 or pleural or<br>pleura) ) and segmentation            | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR               | OFF     | 2004/03/16<br>08:42 |

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| S9  | 177   | (382/128,131;128/922;378/4, 21;424/9.4;250/363.04.ccls. and (lung\$1 or pleural or pleura) ) and segment\$5  | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 08:43 |
| S10 | 37    | ((382/128,131;128/922;378/4, 21;424/9.4;250/363.04.ccls. and (lung\$1 or pleural or pleura) ) and segment\$5) and seed   | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 08:48 |
| S11 | 33    | ((382/128, 131;128/922;378/4,21;424/9. 4;250/363.04.ccls. and (lung\$1 or pleural or pleura) ) and segment\$5) and seed) and (CT or (computed near3 tomography)) | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 08:57 |
| S12 | 9     | (CT or (computed near3 tomography)) same ((lung\$1 or pleura\$2) and (rolling near3 ball))   | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 08:59 |
| S13 | 10018 | rolling near3 ball   | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 09:12 |
| S14 | 270   | (rolling near3 ball) and CT  | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 09:12 |
| S15 | 19    | ((rolling near3 ball) and CT) and (lung\$1 or pleura or pleural)   | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 09:13 |
| S16 | 462   | 382/128,131;128/922;378/4, 21;424/9.4;250/363.04.ccls. and (lung\$1 or pleural pr pleura)  | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 10:46 |

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| S17 | 530 | (CT or (computed near3 tomography)) same (lung\$1 or pleura or pleural) and segment\$5 and (isolate or reduc\$6 or delet\$4)                                | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 10:50 |
| S18 | 530 | ((CT or (computed near3 tomography)) same (lung\$1 or pleura or pleural)) and segment\$5 and (isolate or reduc\$6 or delet\$4)                              | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 12:09 |
| S19 | 29  | ((CT or (computed near3 tomography)) same (lung\$1 or pleura or pleural)) same (segment\$5 and (isolate or reduc\$6 or delet\$4))                           | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 10:51 |
| S20 | 3   | ((CT or (computed near3 tomography)) same (lung\$1 or pleura or pleural)) and segment\$5 and ((isolate or reduc\$6 or delet\$4) near3 (trachea or bronchi)) | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 12:10 |
| S21 | 15  | rolling near3 ball near3 algorithm  | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 12:20 |
| S22 | 120 | CT and (lung near3 segment\$6)  | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 12:52 |
| S23 | 0   | Ct same ((anterior near3 junction) near4 (lung\$1 or pleura or pleural)) and ((gray or grey) near4 scale)   | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 15:25 |
| S24 | 0   | (CT or tomography)same ((anterior near3 junction) near4 (lung\$1 or pleura or pleural)) and ((gray or grey) near4 scale)                                    | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 15:25 |

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| S25 | 0   | (CT or tomography) same ((anterior near3 junction) near4 (lung\$1 or pleura or pleural)) and ((gray or grey) near4 scale)   | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 15:25 |
| S26 | 5   | (CT or tomography) near4 ((lung\$1 or pleura or pleural) and ((gray or grey) near4 scale))  | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 15:26 |
| S27 | 4   | ((lung\$1 or pleura or pleural) and ((gray or grey) near4 scale)) and (anterior near4 (line or junction))   | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 15:27 |
| S28 | 331 | Ct and lung\$1 and parenchyma   | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 16:11 |
| S29 | 39  | Ct and lung\$1 and ((detect\$4 or identif\$4 or determin\$4) near3 (parenchyma\$ or hole\$1 or honeycomb))  | US-PGPU B; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2004/03/16 16:12 |
| S30 | 17  | (US-6556696-\$ or US-6463167-\$ or US-6138045-\$ or US-6577752-\$ or US-6466687-\$ or US-6282307-\$ or US-5987094-\$ or US-5881124-\$ or US-5133020-\$ or US-6272366-\$ or US-5881244-\$ or US-5627907-\$ or US-6483934-\$ or US-5974165-\$ or US-6175755-\$).did. or (US-20020006216-\$ or US-20010021264-\$).did. | US-PGPU B; USPAT                              | OR | OFF | 2004/03/16 16:23 |

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| S31 | 7  | ((US-6556696-\$ or<br>US-6463167-\$ or<br>US-6138045-\$ or<br>US-6577752-\$ or<br>US-6466687-\$ or<br>US-6282307-\$ or<br>US-5987094-\$ or<br>US-5881124-\$ or<br>US-5133020-\$ or<br>US-6272366-\$ or<br>US-5881244-\$ or<br>US-5627907-\$ or<br>US-6483934-\$ or<br>US-5974165-\$ or<br>US-6175755-\$).did. or<br>(US-20020006216-\$ or<br>US-20010021264-\$).did.) and<br>diaphragm | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/16<br>16:24 |
| S32 | 24 | (lung or pulmonary or pleura<br>or pleural) and diaphragm<br>and (rolling near4 ball)  | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/16<br>16:35 |
| S33 | 81 | (lung or pulmonary or pleura<br>or pleural) and diaphragm<br>and smoothing   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/16<br>16:50 |
| S34 | 22 | (lung or pulmonary or pleura<br>or pleural) and diaphragm<br>and smoothing and<br>(indentation\$1 or<br>depression\$1)   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/16<br>16:51 |
| S35 | 17 | 09/773636  | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/17<br>08:07 |
| S36 | 3  | "9942031".pn.  | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/17<br>08:24 |

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| S37 | 0 | "9942031".pn. and diaphram  | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/17<br>08:25 |
| S38 | 0 | "9942031".pn. and diaphragm   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/17<br>08:25 |
| S39 | 0 | "9942031".pn. and<br>(indentation\$1 or<br>depression\$1 or protusion\$1) | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/17<br>08:26 |
| S40 | 0 | ("9942031".pn. and<br>diaphram) and smooth\$                              | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/17<br>08:26 |
| S41 | 1 | "9942031".pn. and smooth\$  | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/17<br>08:26 |
| S42 | 0 | "9942031".pn. and (rolling<br>near3 ball)                                 | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/17<br>08:27 |
| S43 | 4 | "5881124".pn.",6272366".pn.   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/03/25<br>09:28 |
| S44 | 3 | "9942031".pn.   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2004/12/22<br>16:36 |

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| S45 | 2    | 3D near (roll\$3 near3 ball)                              | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/01/09<br>12:08 |
| S46 | 9    | 3D near3 (roll\$3 near3 ball)                             | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/01/09<br>12:09 |
| S47 | 5070 | 382/128,131;128/922;378/4,<br>21;424/9.4;250/363.04.ccls. | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/06/30<br>10:05 |
| S48 | 891  | S47 and (pleural\$4 pulmon\$6<br>lung\$1 thorax chest)    | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/06/30<br>10:06 |
| S49 | 42   | S48 and trachea   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/06/30<br>10:06 |
| S50 | 30   | S48 and trachea and CT                                    | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/06/30<br>10:15 |
| S51 | 4    | "5881124".pn.",6272366".pn.                               | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/07/06<br>14:14 |

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| S52 | 33  | US-4839807-\$.DID. OR<br>US-4841555-\$.DID. OR<br>US-4851984-\$.DID. OR<br>US-4875165-\$.DID. OR<br>US-5150292-\$.DID. OR<br>US-5224177-\$.DID. OR<br>US-5319549-\$.DID. OR<br>US-5491627-\$.DID. OR<br>US-5537485-\$.DID. OR<br>US-0559848-\$.DID. OR<br>US-562217156-\$.DID. OR<br>US-5668888-\$.DID. OR<br>US-5740268-\$.DID. OR<br>US-5790690-\$.DID. OR<br>US-5832103-\$.DID. OR<br>US-5982915-\$.DID. OR<br>US-5984870-\$.DID. OR<br>US-5987345-\$.DID. | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/07/08<br>08:06 |
| S53 | 137 | (indentation\$1 hole\$1<br>bump\$1 depression\$1) same<br>(diaphragm viscera) same<br>(lung\$1 pulmonar\$4<br>pleura\$1)  | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/07/12<br>15:28 |
| S54 | 41  | (CT MRI tomography xray\$1<br>roentgen x-ray\$1) and<br>((diaphragm viscera) same<br>((lung\$1 pulmonar\$4<br>pleura\$1) and filter\$!))  | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/07/12<br>15:30 |
| S55 | 41  | (CT MRI tomography xray\$1<br>roentgen x-ray\$1) and<br>((diaphragm viscera) same<br>((lung\$1 pulmonar\$4<br>pleura\$1) and filter\$3))  | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/07/12<br>15:47 |
| S56 | 3   | "9942031".pn.   | US-PGPU<br>B; USPAT;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | OFF | 2005/07/12<br>15:47 |